WHAT IS CLAIMED IS :

[Claim 1]

Micromixing method to mix plural types of substance contained in liquefied matter by permeating the liquefied matter through a phase separation porous body having numerous microholes in the diameter of 0.03 to 100 micron meters to promote the mixing in the molecule level.

[Claim 2]

Micromixing method for plural types of substance contained in liquefied matter with the use of the phase separation porous glass body in the hollow cylindrical shape referred to in the above claim 1.

[Claim 3]

Micromixing method for plural types of substance contained in liquefied matter referred to in the above claims 1 and 2 by permeating the liquefied matter through the numerous microholes in the hollow cylindrical phase separation porous glass body with the differential pressure.

[Claim 4]

Micromixing method for liquefied matter containing plural types of substance referred to the above claim 1, 2, or 3 with the use of the above mentioned phase separation porous glass body mainly made of SiO_2, which is formed by separating molded borosilicate glass into a phase rich in SiO_2 and another phase rich in B_2O_3 and CaO , and processing them in acid to have the phase rich in B_2O_3 and CaO to elute, and the obtained microholes have cylindrical hole structure.

[Claim 5]

Micromixing method for liquefied matter containing plural types of substance referred to in the above claim 1, 2, 3, or 4 to cause chemical reaction among the plural types of substance.

[Claim 6]

Micromixing method to produce oligomers or polymers with the micromixing of liquefied matter containing one or more types of monomers referred to in the above claim 1, 2, 3, or 4.

[Claim 7]

Micromixing method for solution containing plural types of

substance referred to in the claim 6 that monomer solution is ethyl benzimidate solution in tetrahydrofuran(THF) and that the oligomer is 2, 4, 6 triphenyl – 1, 3, 5 triazine which is trimer of benzonitrile.